

RE,CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1996:491081 CAPLUS
DN 125:161780
TI Cloning of a novel ubiquitin-conjugating enzyme (E2) gene from the ciliate
Paramecium tetraurelia
AU Okano, Satoshi; Tokushima, Hideyuki; Nakaoka, Yasuo; Shimizu, Kikuo
CS Department of Biophysical Engineering, Faculty of Engineering Science,
Osaka University, 1-3 Machikaneyama, Toyonaka, Osaka, 560, Japan
SO FEBS Letters (1996), 391(1,2), 1-4
CODEN: FEBLAL; ISSN: 0014-5793
PB Elsevier
DT Journal
LA English
AB We isolated a 1.7 kb gene (UbcP1) for a ubiquitin-conjugating enzyme from
a P. tetraurelia cDNA library and sequenced it. Its deduced polypeptide
sequence consists of 425 amino acid residues (48 kDa). The UbcP1 protein
contains novel N- and C-terminal extensions in addition to a UBC domain, and
within the UBC domain it shares low identity with sequences of other known
E2s. A constructed phylogenetic tree suggests that the UbcP1 protein may
represent a member of a distinct subfamily of E2s. Southern blot anal.
showed that the N-terminal extension of the UbcP1 is conserved in P.
multimicronucleatum.
IT 180391-20-2
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
(Properties); BIOL (Biological study); OCCU (Occurrence)
(amino acid sequence; cloning of novel ubiquitin-conjugating enzyme
(E2) gene from ciliate Paramecium tetraurelia)
RN 180391-20-2 CAPLUS
CN Enzyme, E2 (ubiquitin-carrier) (Paramecium tetraurelia strain 51s gene
UbcP1) (9CI) (CA INDEX NAME)

SEQ 1 MGGMYFKEEE LSRIGAVNAF FSAFADKTLA FEFNHIVKLV WFESFITDKC
51 DFTNDFNNFI KLVDDASPRG GTKCYDAIAY AIEQLKEIKK KYPNIILRII
101 ALTDGDDNQS KENPQSLVNR IFENQIIIDS FVVNND CVGL KTLTHATNGR
151 CYCPQTLAEG MSLFEIESIL SISHREQKEY PKELQDLNSL KDKPFDTDGM
201 KVVSM DVQKI AVMKKEEILK KISQIESAPQ NSSSTSQSVN NTARILKELQ
251 DVTAQGD KLN FKCYPTADDI KTWKILLYGP KGTVYEGGLY ILSYVFTQNY
301 PFRPPKVQFI TKLYHPNVSR GGS LCLDVLN TSWSP LLTTT KVLD AVSVML
351 QNP NADDA LD CNIAAIYKHE PELFKQNALK EKLEAASPSE DNLLADILGA
401 VDINSQEYLD TKKELQTWLE YQKSN

*Position
1854*

=> d his

(FILE 'HOME' ENTERED AT 12:47:02 ON 01 NOV 2005)

FILE 'CAPLUS' ENTERED AT 12:47:07 ON 01 NOV 2005
S QE HIGV/SQSP OR EHIGVM/SQSP OR HIGVMK/SQSP OR IGVMKK/SQSP OR G

FILE 'REGISTRY' ENTERED AT 12:48:30 ON 01 NOV 2005
L1 60 S VMKKEE/SQSP

FILE 'CAPLUS' ENTERED AT 12:48:56 ON 01 NOV 2005
L2 32 S L1

FILE 'REGISTRY' ENTERED AT 12:48:58 ON 01 NOV 2005
L3 37 S GVMKKE/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:00 ON 01 NOV 2005
L4 26 S L3

L14

11 SEA L13 AND PY<2001
D 1-11 TI
D 1-11 BIB AB HITSEQ

FILE 'REGISTRY' ENTERED AT 12:49:02 ON 01 NOV 2005
 L5 36 S IGVMKK/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:04 ON 01 NOV 2005
 L6 22 S L5

FILE 'REGISTRY' ENTERED AT 12:49:05 ON 01 NOV 2005
 L7 22 S HIGVMK/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:08 ON 01 NOV 2005
 L8 12 S L7

FILE 'REGISTRY' ENTERED AT 12:49:08 ON 01 NOV 2005
 L9 25 S EHIGVM/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:11 ON 01 NOV 2005
 L10 15 S L9

FILE 'REGISTRY' ENTERED AT 12:49:12 ON 01 NOV 2005
 L11 22 S QEHIGHV/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:14 ON 01 NOV 2005
 L12 12 S L11
 L13 60 S L12 OR L10 OR L8 OR L6 OR L4 OR L2
 L14 11 S L13 AND PY<2001

=> d his full

(FILE 'HOME' ENTERED AT 12:47:02 ON 01 NOV 2005)

FILE 'CAPLUS' ENTERED AT 12:47:07 ON 01 NOV 2005
 S QEHIGHV/SQSP OR EHIGVM/SQSP OR HIGVMK/SQSP OR IGVMKK/SQSP OR G

FILE 'REGISTRY' ENTERED AT 12:48:30 ON 01 NOV 2005
 L1 60 SEA VMKKEE/SQSP

FILE 'CAPLUS' ENTERED AT 12:48:56 ON 01 NOV 2005
 L2 32 SEA L1

FILE 'REGISTRY' ENTERED AT 12:48:58 ON 01 NOV 2005
 L3 37 SEA GVMKKE/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:00 ON 01 NOV 2005
 L4 26 SEA L3

FILE 'REGISTRY' ENTERED AT 12:49:02 ON 01 NOV 2005
 L5 36 SEA IGVMKK/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:04 ON 01 NOV 2005
 L6 22 SEA L5

FILE 'REGISTRY' ENTERED AT 12:49:05 ON 01 NOV 2005
 L7 22 SEA HIGVMK/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:08 ON 01 NOV 2005
 L8 12 SEA L7

FILE 'REGISTRY' ENTERED AT 12:49:08 ON 01 NOV 2005
 L9 25 SEA EHIGVM/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:11 ON 01 NOV 2005
 L10 15 SEA L9

FILE 'REGISTRY' ENTERED AT 12:49:12 ON 01 NOV 2005
 L11 22 SEA QEHIGHV/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:14 ON 01 NOV 2005
 L12 12 SEA L11
 L13 60 SEA L12 OR L10 OR L8 OR L6 OR L4 OR L2

RE CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1996:491081 CAPLUS
DN 125:161780
TI Cloning of a novel ubiquitin-conjugating enzyme (E2) gene from the ciliate
Paramecium tetraurelia
AU Okano, Satoshi; Tokushima, Hideyuki; Nakaoka, Yasuo; Shimizu, Kikuo
CS Department of Biophysical Engineering, Faculty of Engineering Science,
Osaka University, 1-3 Machikaneyama, Toyonaka, Osaka, 560, Japan
SO FEBS Letters (1996), 391(1,2), 1-4
CODEN: FEBLAL; ISSN: 0014-5793
PB Elsevier
DT Journal
LA English
AB We isolated a 1.7 kb gene (UbcP1) for a ubiquitin-conjugating enzyme from
a P. tetraurelia cDNA library and sequenced it. Its deduced polypeptide
sequence consists of 425 amino acid residues (48 kDa). The UbcP1 protein
contains novel N- and C-terminal extensions in addition to a UBC domain, and
within the UBC domain it shares low identity with sequences of other known
E2s. A constructed phylogenetic tree suggests that the UbcP1 protein may
represent a member of a distinct subfamily of E2s. Southern blot anal.
showed that the N-terminal extension of the UbcP1 is conserved in P.
multimicronucleatum.
IT 180391-20-2
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
(Properties); BIOL (Biological study); OCCU (Occurrence)
(amino acid sequence; cloning of novel ubiquitin-conjugating enzyme
(E2) gene from ciliate Paramecium tetraurelia)
RN 180391-20-2 CAPLUS
CN Enzyme, E2 (ubiquitin-carrier) (Paramecium tetraurelia strain 51s gene
UbcP1) (9CI) (CA INDEX NAME)

SEQ 1 MGGMYFKEEE LSRIGAVNAF FSAFADKTLA FEFNHIVKLV WFESFITDKC
51 DFTNDFNNFI KLVDDASPRG GTKCYDAIAY AIEQLKEIKK KYPNIILRII
101 ALTDGDDNQS KENPQSLVNR IFENQIIIDS FVVNNDCVGL KTLTHATNGR
151 CYCPQTLAEG MSLFEIESIL SISHREQKEY PKELQDLNSL KDKPFDTDGM
201 KVVSMQVQKI AVMKKEEILK KISQIESAPQ NSSSTSQSVN NTARILKELQ
251 DVTAQGDKLN FKCYPTADDI KTWKILLYGP KGTVYEGGLY ILSYVFTQNY
301 PFRPPKVQFI TKLYHPNVSR GGSCLCLDVLN TSWSPLLTTT KVLDVSVML
351 QNPNAADDALD CNIAAIYKHE PELFKQNALK EKLEAASPSE DNLLADILGA
401 VDINSQEYLD TKKELQTWLE YQKSN

Positive
1854

=> d his

(FILE 'HOME' ENTERED AT 12:47:02 ON 01 NOV 2005)

FILE 'CAPLUS' ENTERED AT 12:47:07 ON 01 NOV 2005
S QEHIGV/SQSP OR EHIGVM/SQSP OR HIGVMK/SQSP OR IGVMKK/SQSP OR G

FILE 'REGISTRY' ENTERED AT 12:48:30 ON 01 NOV 2005
60 S VMKKEE/SQSP

FILE 'CAPLUS' ENTERED AT 12:48:56 ON 01 NOV 2005
32 S L1

FILE 'REGISTRY' ENTERED AT 12:48:58 ON 01 NOV 2005
37 S GVMKKE/SQSP

FILE 'CAPLUS' ENTERED AT 12:49:00 ON 01 NOV 2005
26 S L3

11-1

201	DIDPLTTLKY	ILSLNDQLYD	TADVILLEV	HLFKKLYIPH	VFDDSYLLIN
251	DEKDDDDEN	NDENNDKESD	EEDDHGDDHN	DYNINSNLKE	EEKYKYNND
301	PIYDENKNNK	ENNLDDYKKI	NNIHNITSNE	RYSQSTNHIY	TQNNKIGDXY
351	KYISNKSNNV	IHHKNEYKEL	GEELNLLSED	INFKQKKLNE	NNYNQYKNHV
401	IKILLNMLSK	NVSYSVLYEG	ACCLLYMSTS	ALSIKTACEC	FIKLLINQHD
451	NNIKLIVIDK	LYYIMCKWKN	ILENYAMDLL	RALNFPSPDI	KVKILNLVLH
501	VLTGRNVHLV	LNVLKKEKLL	LNDQVVYTKH	IITTTNNNNN	NTNMNMSNNN
551	NDNNDNNNNN	NNNNNNNNNN	NNSNNNSSNN	NNNNLSTNYQ	EVTSYKKILI
601	KSLQHICNLY	SSECLHIVDL	LLIYVNHNEQ	DINYEAACVI	RKLVKNNNFQ
651	NNILEKMIDS	IFDIKKATIL	RIFFWVIGQY	MFNEHMIINF	LNNLYDNLSF
701	LLNNSLENDM	INKIQNERFK	KNGNINFNLS	NSNIQTKTVI	LEDGTYATEA
751	FLKNQNICNK	NNDKNKENTF	VYNILYENDD	ILLSVICVSL	TKLYLKLLSK
801	MNNSFDFILN	QNEIICSKEK	KEMKHS�IKH	EHFLNHVTNN	NTLDTEECVI
851	SKDPNRISTN	SENKITEHDI	NEYRNKCIYI	LASIIKYIGE	KNSKPDSNNI
901	YEYDSNVIRI	NQCLKIFFYL	TANKKELDEQ	SKKLIKIFID	GDYYYNKFLE
951	KEEEKYCSIY	GSNYKYMKNR	NMYANKTNGG	NKTFDGNNTF	DGNNTFDGNN
1001	TFDGNNILEK	STYSRNKLFL	NDQGEKENVD	DDIYFRVLKE	KKNILNMLDE
1051	ETSSVCINEN	LEKLKLYTL	NNDMLFEENE	FQYPSIKYNY	SSLFLAKLYN
1101	SQILGTDDDD	IFIEALPIIS	NVNLIEIYV	YNQSNVYLQN	IYINLSTHGN
1151	LKPIDKIPEF	NLAPNEKKKF	KISVKVHTTE	AGIIFGVVYF	ERKNDNHKNY
1201	IVLNLHINM	TDYINASFIS	SHLFRIMWSE	FEWENKINI	TSIRDAPELL
1251	KLIKNTNMT	IVERFMPLEY	YDMEIKNNVN	QVNISPIDIY	ISYISTLEDL
1301	KCLVNNSAFF	SVNLFSRSIF	GEDSLANLSV	QKSADGKLSG	SIRVRSRTQV
1351	RKNKTKQNK	QKNKPDGYIT	LLYGIALSLG	DKLTLLQTGI	NADM

.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

D L2 20 TI BIB HITSEQ

ANSWER 20 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
Localization and function of five glutamate transporters cloned from the
salamander retina
1998:369436 CAPLUS
129:146956
Localization and function of five glutamate transporters cloned from the
salamander retina
Eliasof, Scott; Arriza, Jeffrey L.; Leighton, Barbara H.; Amara, Susan G.;
Kavanaugh, Michael P.
Vollum Institute L-474, Oregon Health Sciences University, Portland, OR,
97210, USA
Vision Research (1998), 38(10), 1443-1454
CODEN: VISRAM; ISSN: 0042-6989
Elsevier Science Ltd.
Journal
English
203212-47-9, Amino acid transporter, glutamate-transporting 2B
(Ambystoma tigrinum gene sEAAT2B)
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological
study, unclassified); PRP (Properties); BIOL (Biological study); OCCU
(Occurrence); PROC (Process)
(amino acid sequence; localization and function of five glutamate
transporters cloned from the salamander retina)
203212-47-9 CAPLUS
Glutamate transporter 2B (Ambystoma tigrinum gene sEAAT2B) (9CI) (CA
INDEX NAME)

1 MTNNVEIPLS DGHHLHLALE SLPIKDCCSK RCGWLTRNLL LILTIGGVIL
51 GSVFGTLLRL LPPLDSNIVL LISFPGDILM RMLKMLILPL VISSLISGLA
101 GLDAKSSGRM GTRAMVYMS TTILAAVLGV ILVLSIHPGN PKLKKQVSIS
151 TKNEEVSSLD AFLDLIRNLF PENLVQACFQ QIQTVSKKVP VTPSPHELLN
201 QVNISVSQSN SSMLNSTTAE GNAGPTMVTQ KKLEFKAGMN VLGLIGFFIA
251 FGIAMGKMG E QARLMADFFN ILNEIIMKLV NMIMWYSPFG IACLICGKIA
301 AIKDLEVVAR QLGMYMVTVI VGLVIHGGIV LPLIFFSITR TNPYTFYGGI

Porter
1967

351 FQAWITALGT ASSAGTLPVT FRCLEENLKI DKRVTRFVLP IGATINMDGT
401 ALYEAVAAIF IAQMNDVSLD GGQIATVSLT ATLASVGAAS IPSAGLVTML
451 LILTAVGLPT QDISLLIAVD WLLDRMRTSI NVVGDSFGAG ILYHLSKAEL
501 AAIDAKHEAS KEGGKLHLMN HEAAQKHPSD GMSSPPFSGY TSLPTYEYEA
551 HEKQESLFGH EDDGEEPWST SRNSNEKKME D

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT